

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

10/26/2011

Heidi Sylvanowicz
Assistant District Attorney, Essex County

Dear ADA Sylvanowicz,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan, & Zhi Yi Tan.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Zhi Yi Tan was the custodial chemist and performed the preliminary testing for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Zhi yi Tan

EDUCATION

M.S. in Biology, Peking University, Beijing, China.

Ph.D. equivalent in biology, Houston Downtown University, Texas, US.

Employment

1997-Present Chemist II , State Laboratory Institute

Massachusetts Department of Public Health, Drug Analysis Laboratory.

Responsible for the identification of substance to determine violations of the Massachusetts harmful and narcotic drug laws.

1995-1997 Chemist I and II, Drug Laboratory, Amherst, SLI, MDPH, MA

Responsible for the identification of unknown substances, to determine violations of the Massachusetts harmful and narcotic drug laws.

Trained in the use of analytical instrumentation for the purpose of performing forensic drug analysis. Maintained complex analytical equipment. Assisted in developing methods of analysis.

Appointed an assistant analyst for the Department of Public Health. 1995

1988-1995 Post Doctor Department in Plant & Soil Sciences, UMASS, Amherst MA.

Researched on the field of Plant Physiology and Biochemistry, funding by USDA and NASA projects.

1988 Spring-1988 Summer, Research Associate in Department Crop & Soil Sciences, TAMU, TX

research on the environmental program and plant hormones.

1986-1988. Post Doctor in the Department of Biology , University of California at Santa Cruz. CA.

Research conducted on Plant hormone and Senescence

1977-1986 Assistant Professor in the department of Biology , Beijing Normal University, and the main Advisor of Beijing Analytical equipment Institute.

Taught and performed research projects of plant hormone physiology. Trained in GC & HPLC techniques and their application in Biology

Honor & Publications: The best Publication of 1990 award by American Society of Horticulture. 23 Papers in main Science Journal. One GC Patent.

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

DRUG RECEIPT

City or Department: Beverly

Police Reference No.: _____

Name and Rank of Submitting Officer: Det. Richard Ganev

Defendant(s) Name (last, first, initial):


To be completed by Submitter

Description of Items Submitted

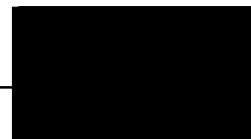
To be completed by Lab Personnel

Gross Weight

Lab Number

5 round green 80MG Oxycodone Pills

6.64g



Received by: ELD

Date: 2-18-10

No. [REDACTED]

Date Analyzed: 06-14-10

City: Beverly Police Dept.

Officer: Detective RICHARD GANEY

Def: [REDACTED]

Amount: 5.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 02/18/2010

No. Analyzed:

Gross Wt.: 6.64

Net Weight: 1.34

Tests: 12/T

(OC) (80) green

2950

Prelim:

oxycodone (B)

Findings: oxycodone

P.3142 ✓

Pharmaceutical Analysis Sheet

Sample # [REDACTED] City Beverly E.O. weight ✓ Net wt: 1.34
Count 50 Description: tblt/pb (OC) (80) green 1 tested
Ballistic I.D. oxycodone (B)
I.D. Source micromedex
Final I.D. oxycodone MS chemist ASP completed 6-14-10.

POISINDEX® Product List

Oxycodone Hydrochloride

Also known as Oxycodone HCl

Regulatory-Status: Schedule II

Ingredients

Active-Ingredient: Oxycodone Hydrochloride - 80 MG

Excipients: Ammonio Methacrylate Copolymer
Hypromellose
Lactose
Magnesium Stearate
PEG-400
Povidone
Sodium Hydroxide
Sorbic Acid
Stearyl Alcohol
Talc
Titanium Dioxide
Triacetin
FD&C Blue No. 2
Hydroxypropyl Cellulose
Ferric Oxide, Yellow

Availability & Manufacturing

Availability: United States

Available-Container-Size: Bottle of 100

Contact: Actavis Totowa

Manufacturer Product Codes: UPC 52152-41102

Product ID: 7024089

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

Registry Numbers: NDC 52152-411-02

Physical Description

Imprints: OC - The tablet is imprinted with OC on one side and 80 on the other.

Form: Oral Tablet, Extended Release

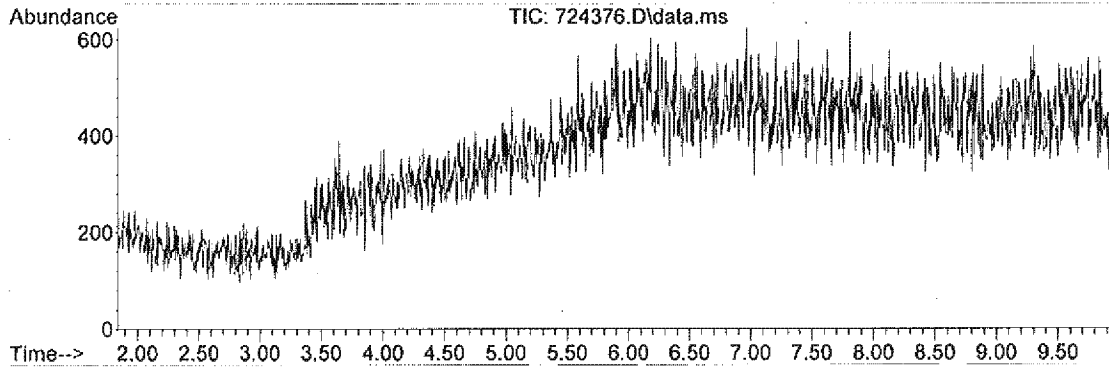
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Shape: Circle

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Information from Data File:

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Operator : P. PIRO
Date Acquired : 13 Jun 2010 15:30
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

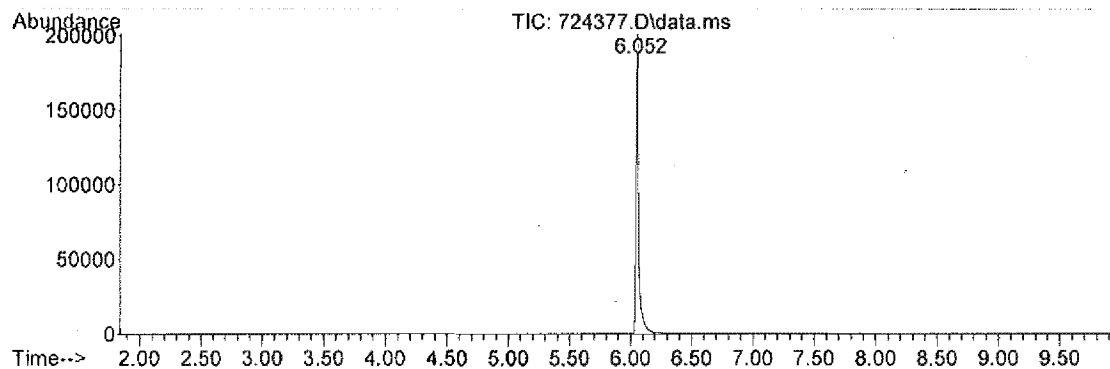


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

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Operator : P. PIRO
Date Acquired : 13 Jun 2010 15:43
Sample Name : OXYCODONE STD
Submitted by :
Vial Number : 77
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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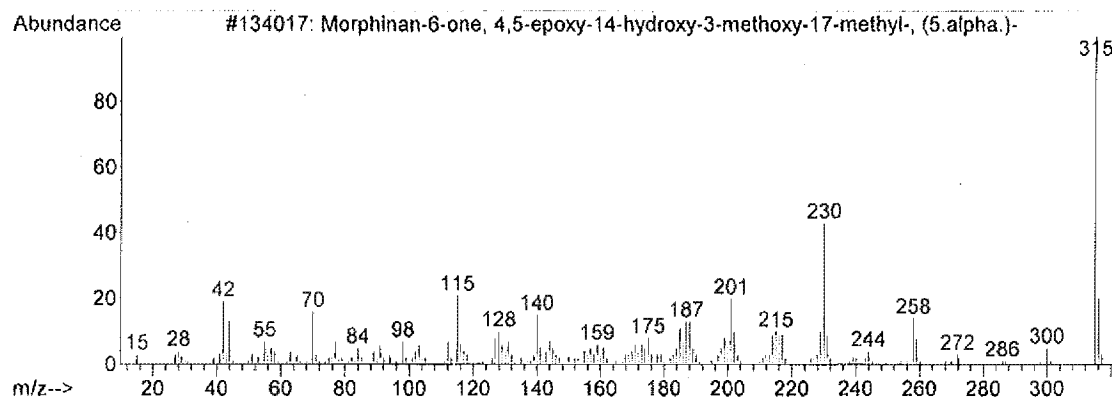
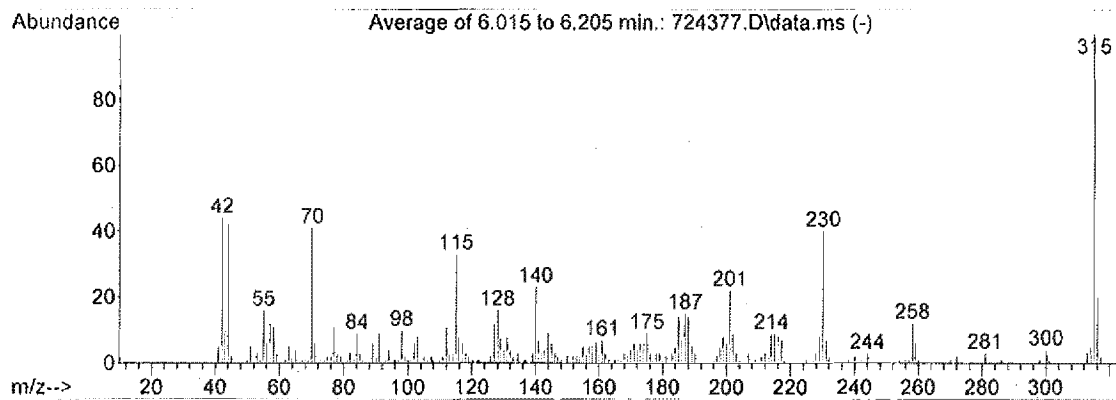
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Information from Data File:

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Sample Name : OXYCODONE STD
Submitted by :
Vial Number : 77
AcquisitionMeth: DRUGS.M
Integrator : RTE

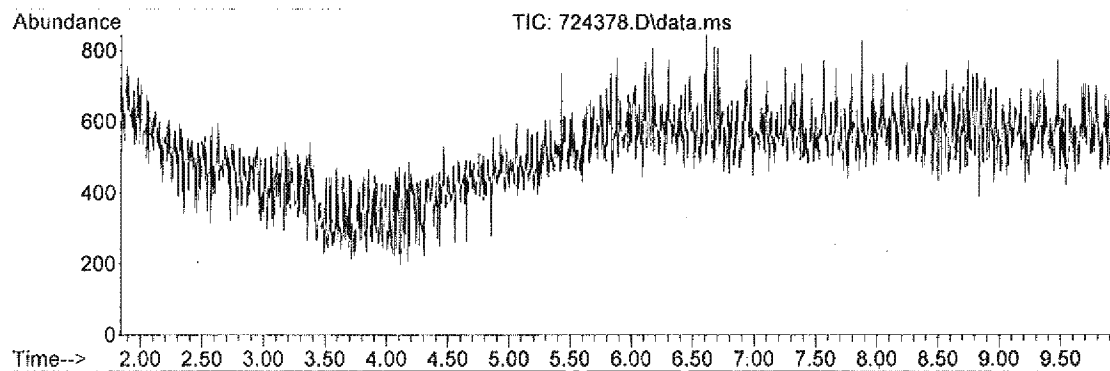
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C:\Database\NIST05a.L Minimum Quality: 75
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.05	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	97



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Operator : P. PIRO
Date Acquired : 13 Jun 2010 15:55
Sample Name : BLANK
Submitted by : ZYT
Vial Number : 2
AcquisitionMeth: WDRUGS.M
Integrator : RTE

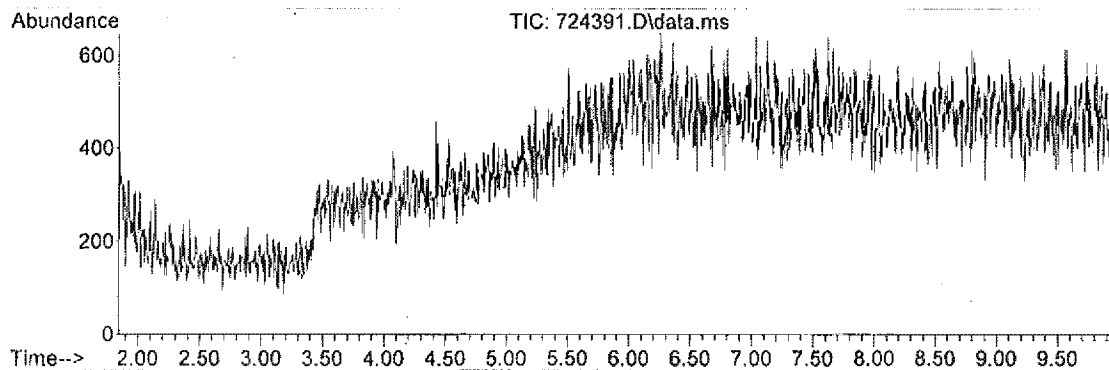


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

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Sample Name : BLANK
Submitted by : ZYT
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

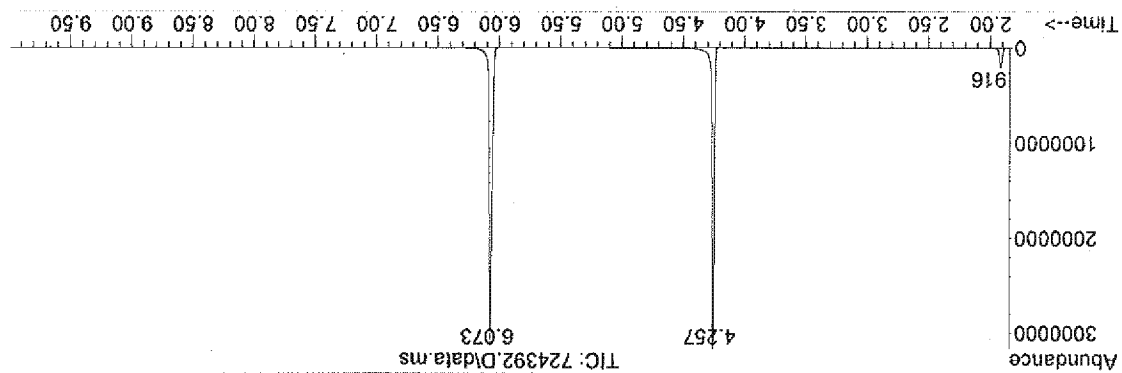


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

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 Operator : P. PIRO
 Date Acquired : 13 Jun 2010 18:55
 Sample Name : XXXXXXXXXX
 Submitted by : ZYT
 Vial Number : 92
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



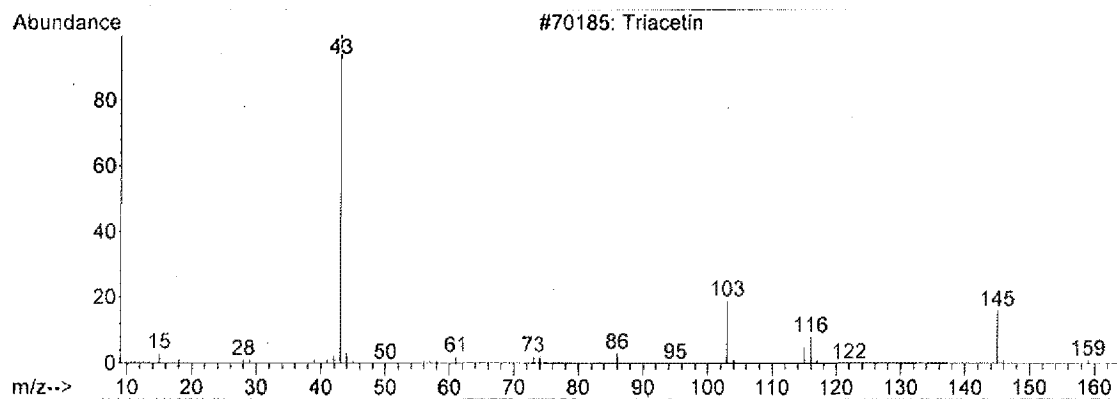
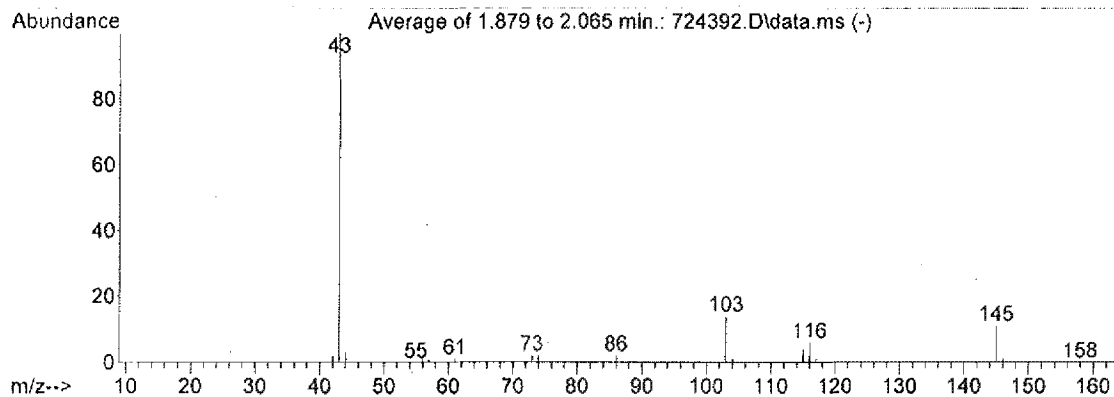
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Operator : P. PIRO
Date Acquired : 13 Jun 2010 18:55
Sample Name : XXXXXXXXXX
Submitted by : ZYT
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 75
C:\Database\PMW_TOX2.L

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1	1.92	C:\Database\NIST05a.L		
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		Triacetin	000102-76-1	90
		Triacetin	000102-76-1	90

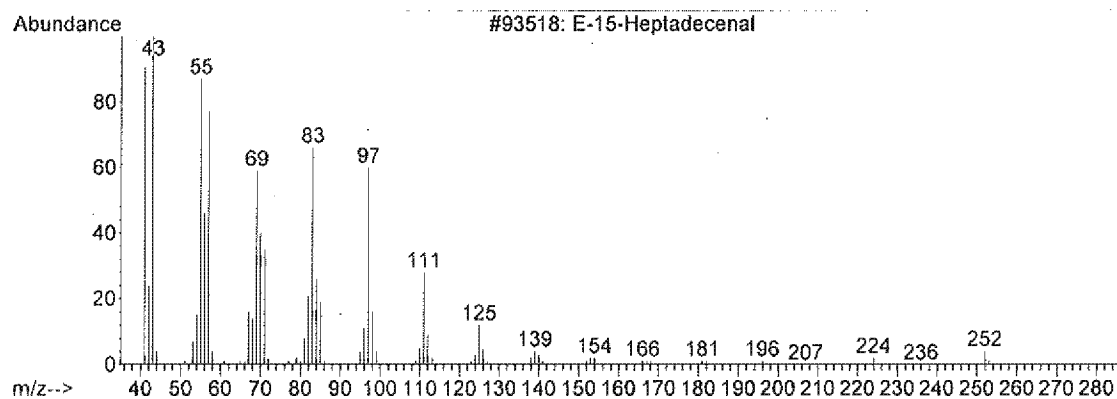
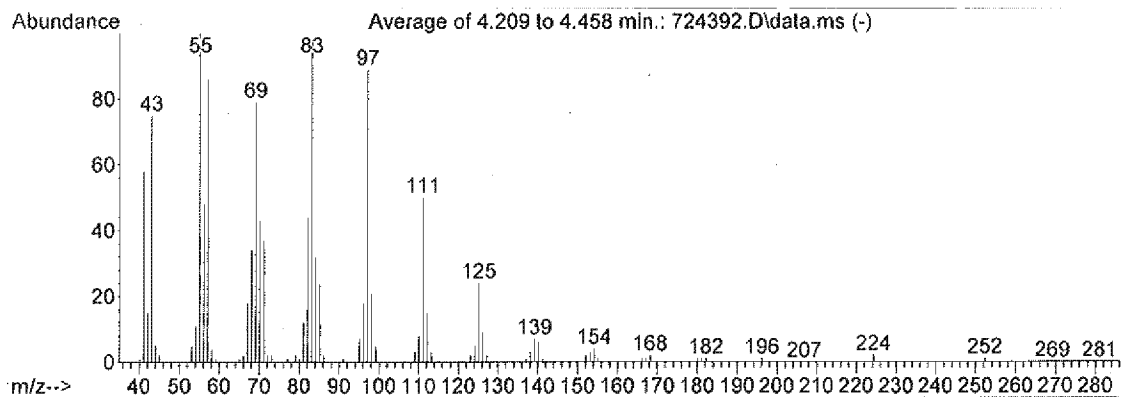


Information from Data File:

File Name : F:\Q2-2010\System7\06_12_10\724392.D
Operator : P. PIRO
Date Acquired : 13 Jun 2010 18:55
Sample Name : XXXXXXXXXX
Submitted by : ZYT
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 75
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.26	C:\Database\NIST05a.L		
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		1-Octadecene	000112-88-9	97
		1-Nonadecene	018435-45-5	94

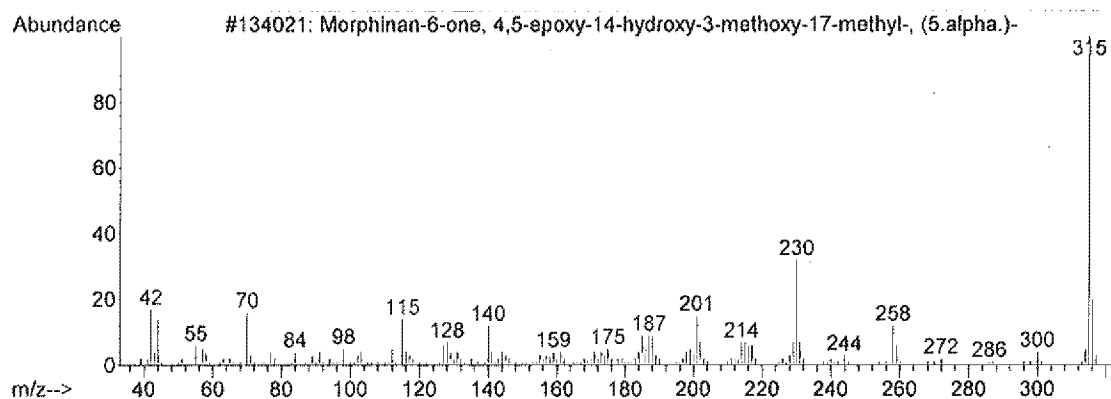
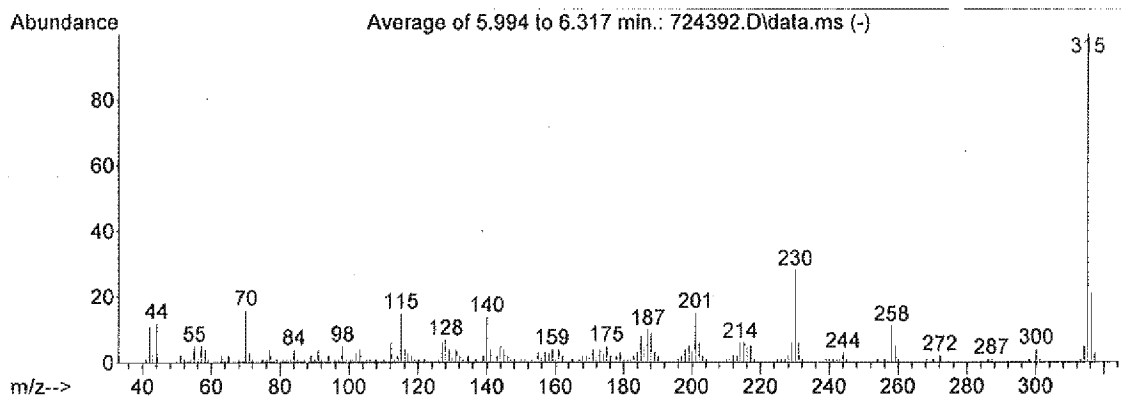


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Sample Name : XXXXXXXXXX
Submitted by : ZYT
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

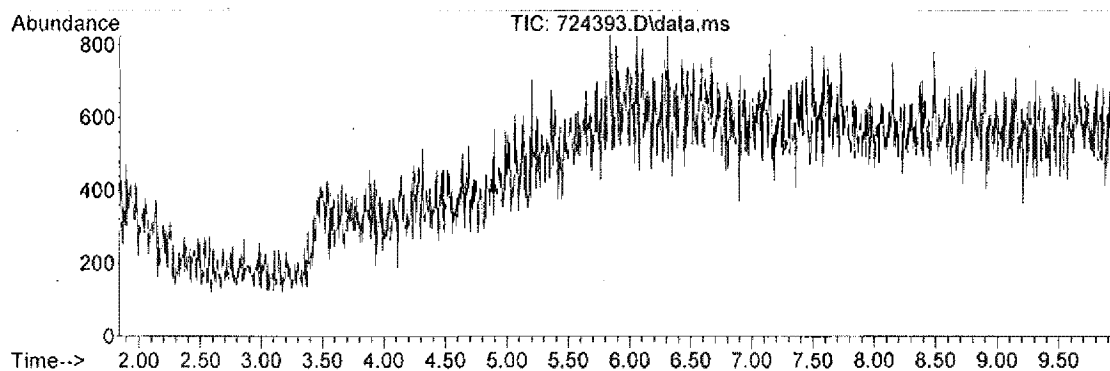
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		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99



Information from Data File:

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Operator : P. PIRO
Date Acquired : 13 Jun 2010 19:07
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

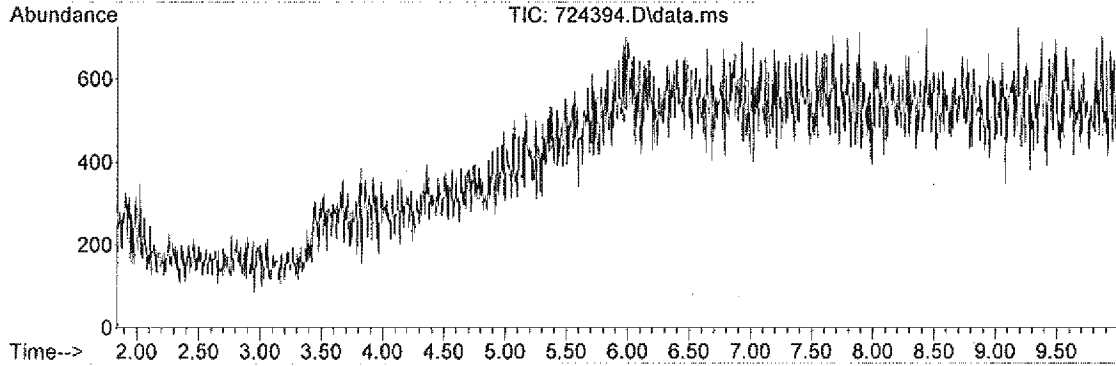


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

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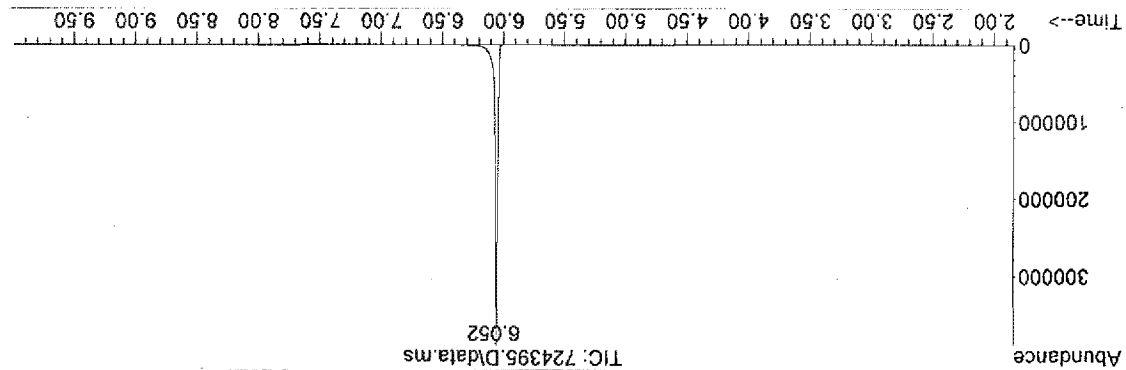
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Date Acquired : 13 Jun 2010 19:20
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:
 File Name : F:\Q2-2010\System7\06_12_10\724395.D
 Operator : P. PIRO
 Date Acquired : 13 Jun 2010 19:33
 Sample Name : OXYCODONE STD
 Submitted by :
 Vial Number : 77
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



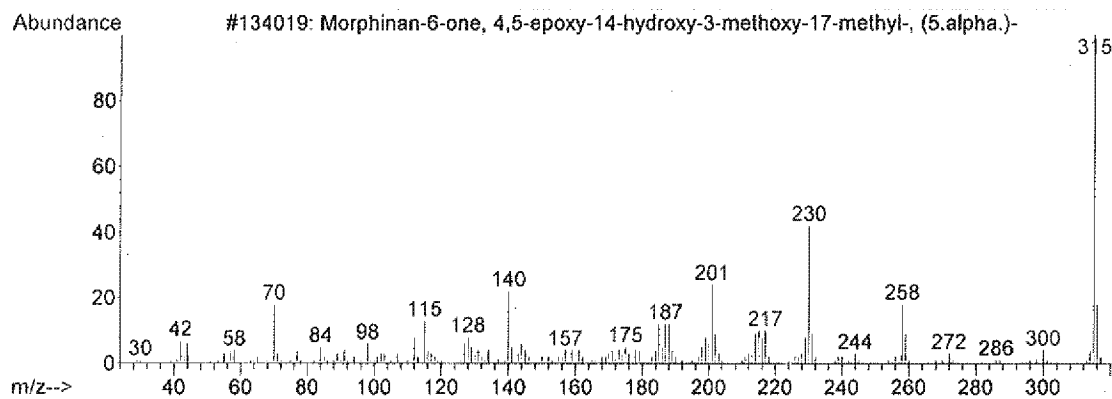
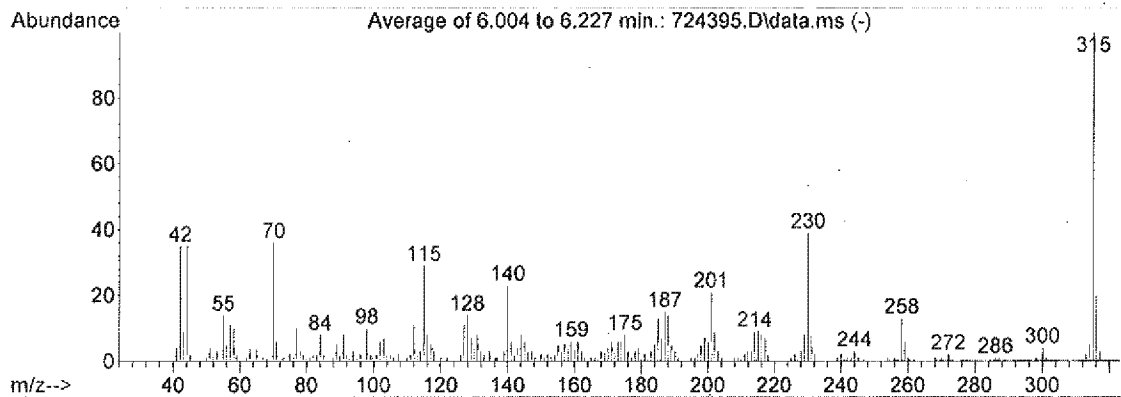
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Sample Name : OXYCODONE STD
Submitted by :
Vial Number : 77
AcquisitionMeth: DRUGS.M
Integrator : RTE

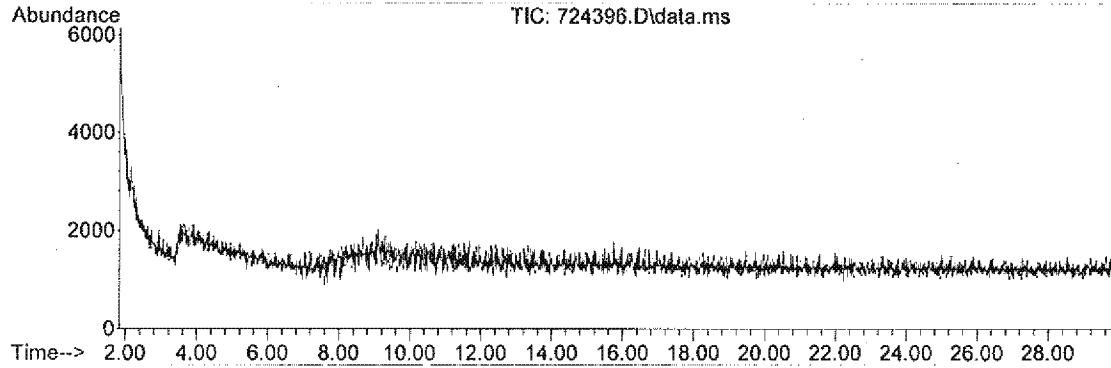
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 75
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.05	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99



Information from Data File:

File Name : F:\Q2-2010\System7\06_12_10\724396.D
Operator : P. PIRO
Date Acquired : 13 Jun 2010 19:47
Sample Name : BLANK
Submitted by : LAG
Vial Number : 2
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS